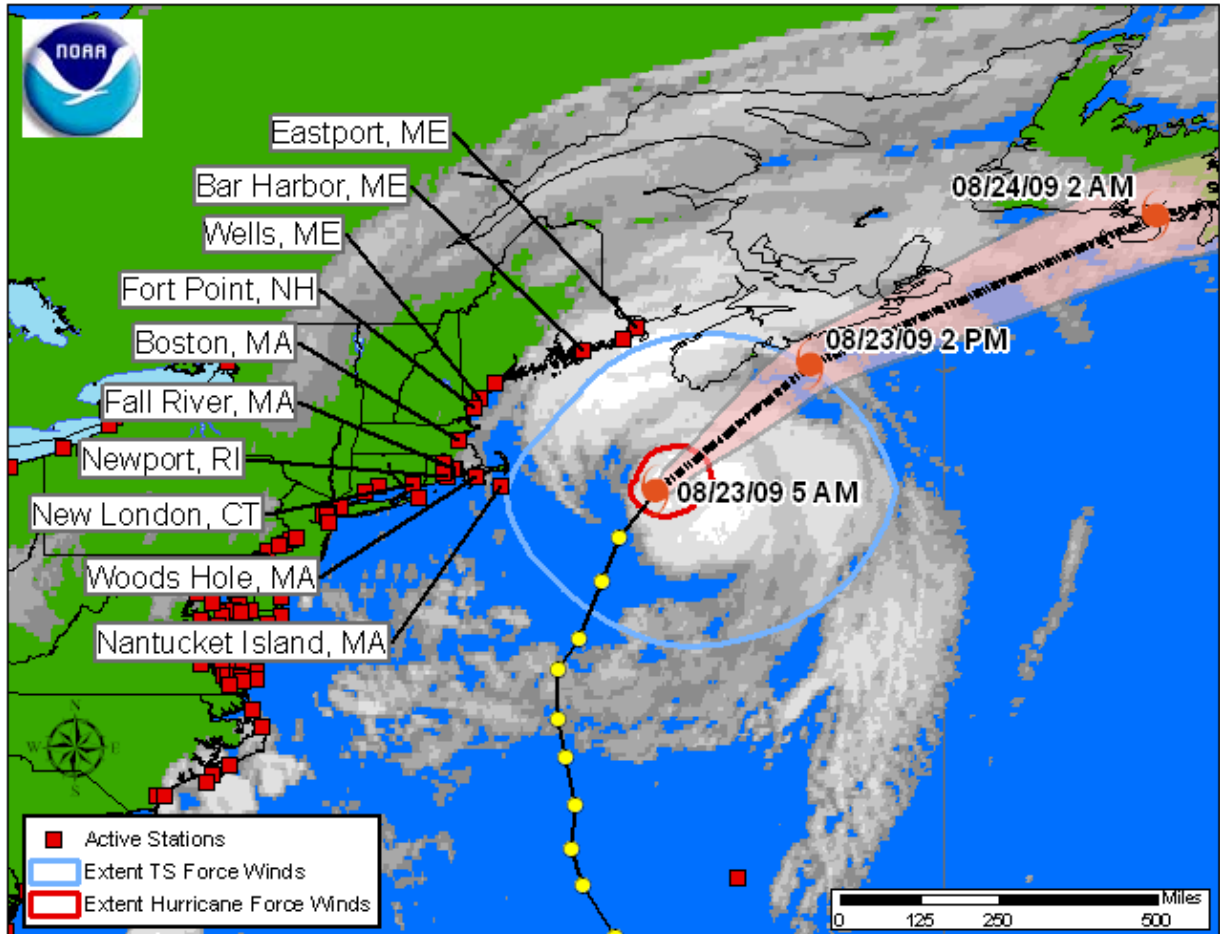




Hurricane BILL QuickLook  
Posted: 06:00 AST 08/23/2009

**NOAA and NOAA Partnership Stations Relative to the Storm**



**Storm Analysis**

As of 8/23/2009 06:00 AST, water levels along the New England coast from eastern Massachusetts to Maine are rising and range from 1.0 to 1.4 feet above predictions. Water levels from Cape Cod, MA to Connecticut remain slightly elevated and are 0.5 to 1.0 feet above predicted values. Barometric Pressure has bottomed out and begun to rise from Connecticut to Massachusetts but continues to fall along the coast of Maine.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

**Boston, MA:** Next predicted high tide is 11.2 ft (3.42 m) at 08/23/2009 14:06 EDT.

**Fort Point, NH:** Next predicted high tide is 10.3 ft (3.14 m) at 08/23/2009 14:06 EDT.

**Wells, ME : Next predicted high tide is 10.6 ft (3.23 m) at 08/23/2009 14:06 EDT.**

**Bar Harbor, ME : Next predicted high tide is 12.4 ft (3.78 m) at 08/23/2009 13:36 EDT.**

**Eastport, ME : Next predicted high tide is 21.0 ft (6.40 m) at 08/23/2009 13:42 EDT.**

**Nantucket Island, MA: Next predicted high tide is 3.8 ft (1.17 m) at 08/23/2009 15:12 EDT.**

**Woods Hole, MA: Next predicted high tide is 2.7 ft (0.83 m) at 08/23/2009 10:54 EDT.**

**Fall River, MA: Next predicted high tide is 5.8 ft (1.78 m) at 08/23/2009 11:00 EDT.**

**Newport, RI: Next predicted high tide is 4.5 ft (1.38 m) at 08/23/2009 10:42 EDT.**

**New London, CT: Next predicted high tide is 3.5 ft (1.06 m) at 08/23/2009 12:06 EDT.**

**For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.**

**Analyst:PFF**

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**HURRICANE BILL ADVISORY NUMBER 32**

**500 AM AST SUN AUG 23 2009**

**...BILL HEADING TOWARD THE CANADIAN MARITIMES**

**AT 500 AM AST A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE COAST OF MASSACHUSETTS FROM WOODS HOLE TO SAGAMORE BEACH...INCLUDING THE ISLANDS OF MARTHAS VINEYARD AND NANTUCKET. THIS WARNING WILL LIKELY BE DISCONTINUED LATER THIS MORNING.**

**AT 500 AM AST THE CENTER OF HURRICANE BILL WAS LOCATED ABOUT 185 MILES EAST OF NANTUCKET MASSACHUSETTS AND ABOUT 275 MILES SOUTH-SOUTHWEST OF HALIFAX NOVA SCOTIA.**

**BILL IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 26 MPH. A TURN TOWARD THE NORTHEAST WITH AN INCREASE IN FORWARD SPEED IS EXPECTED TODAY. ON THE FORECAST TRACK...THE CENTER OF BILL WILL PASS OFFSHORE OF THE COAST OF NEW ENGLAND THIS MORNING...AND NEAR OR ALONG THE EASTERN COAST OF NOVA SCOTIA LATER TODAY...AND OVER SOUTHEASTERN NEWFOUNDLAND TONIGHT.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 85 MPH WITH HIGHER GUSTS. BILL IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON SCALE. WEAKENING IS EXPECTED TO BEGIN TODAY AS BILL MOVES OVER COOLER WATERS.**

**HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 85 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 290 MILES MAINLY TO THE EAST OF THE CENTER.**

**THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT WAS 961 MB...28.38 INCHES.**

**AROUND 1 INCH OF RAIN IS EXPECTED OVER NANTUCKET ISLAND...OUTER CAPE COD AND MARTHAS VINEYARD.**

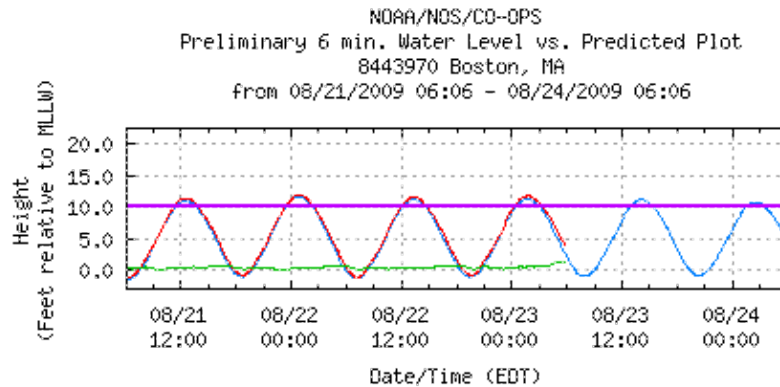
**LARGE SWELLS GENERATED BY HURRICANE BILL WILL CONTINUE TO AFFECT MUCH OF THE U.S. EAST COAST TODAY. THESE SWELLS WILL LIKELY CAUSE EXTREMELY DANGEROUS SURF AND LIFE-THREATENING RIP CURRENTS.**

**FORECASTER BROWN/ROBERTS**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Boston - Water Level](#), [Fort Point - Water Level](#), [Wells - Water Level](#), [Wells - Winds](#), [Wells - Barometric](#), [Wells - Air/Water Temp](#), [Bar Harbor - Water Level](#), [Bar Harbor - Air/Water Temp](#), [Bar Harbor - Winds](#), [Bar Harbor - Barometric](#), [Eastport - Water Level](#), [Eastport - Air/Water Temp](#), [Eastport - Winds](#), [Eastport - Barometric](#), [Nantucket Island - Water Level](#), [Nantucket Island - Winds](#), [Nantucket Island - Barometric](#), [Nantucket Island - Air/Water Temp](#), [Woods Hole - Water Level](#), [Woods Hole - Barometric](#), [Newport - Water Level](#), [Newport - Winds](#), [Newport - Barometric](#), [New London - Water Level](#),

**Boston, MA** - [Return to List](#)



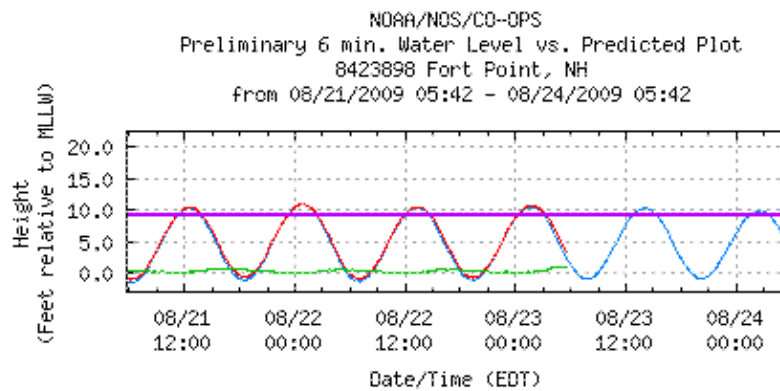
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 3.91 ft. Predicted: 2.64 ft. Residual: 1.27 ft.**

Historical Maximum Water Level: 02/07/1978, 4.82 ft. above **MHHW**

**Fort Point, NH** - [Return to List](#)



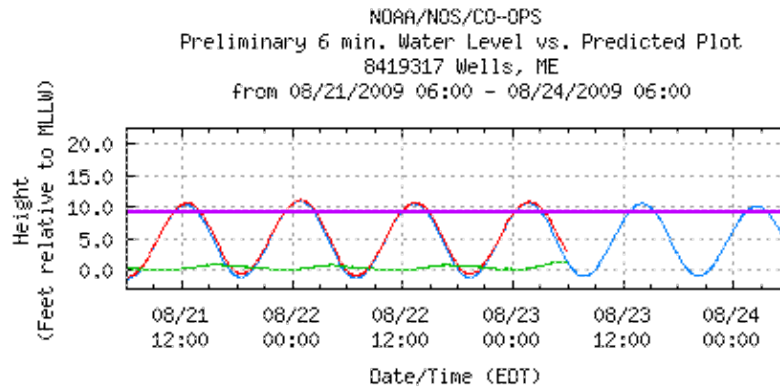
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:30 (EDT)

Relative to **MLLW**: **Observed: 3.49 ft. Predicted: 2.54 ft. Residual: 0.95 ft.**

Historical Maximum Water Level: n/a

**Wells, ME** - [Return to List](#)



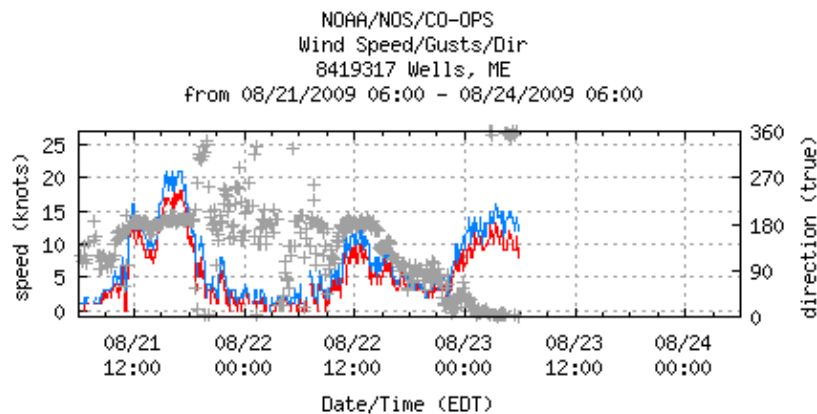
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 3.04 ft.** **Predicted: 1.68 ft.** **Residual: 1.36 ft.**

Historical Maximum Water Level: 01/31/2006, 2.74 ft. above **MHHW**

**Wells, ME** - [Return to List](#)

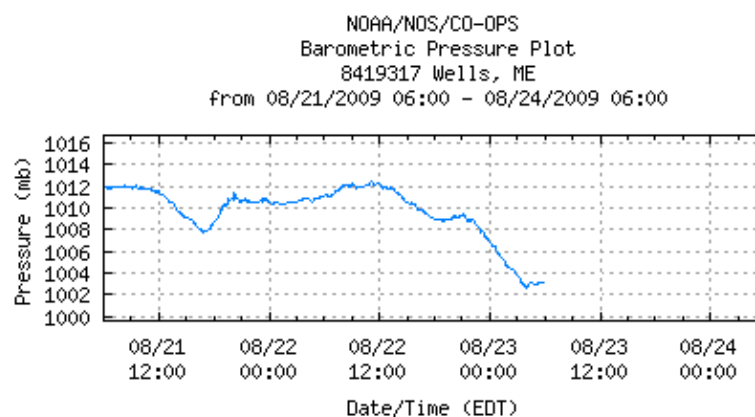


speed — gusts — direction +

Last Observed Sample: 08/23/2009 05:48 (EDT)

**Wind Speed: 8 knots** **Gusts: 12 knots** Direction: 001° T

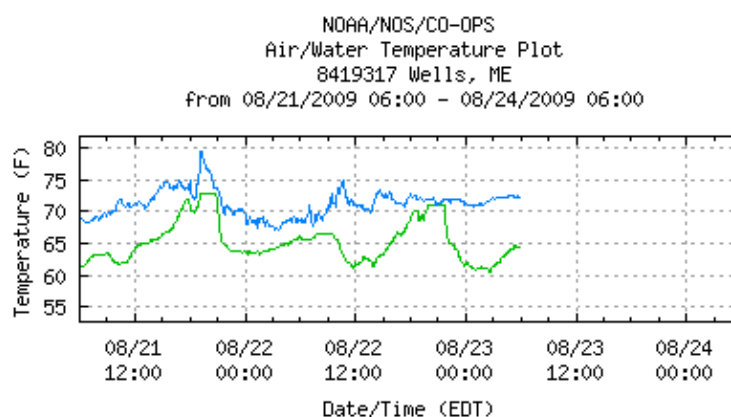
**Wells, ME** - [Return to List](#)



Last Observed Sample: 08/23/2009 05:48 (EDT)

Barometric Pressure: 1003.2 mb

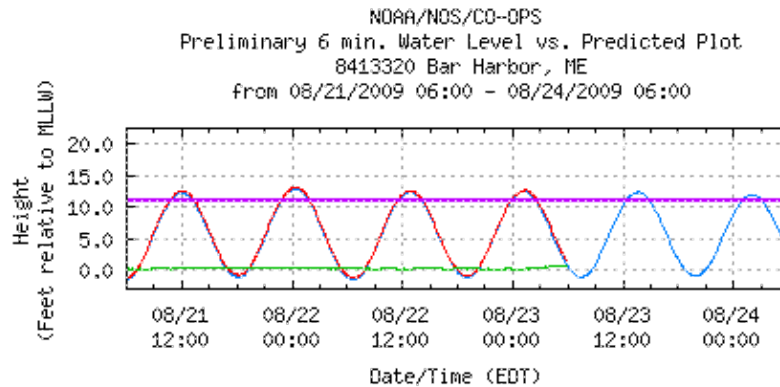
**Wells, ME** - [Return to List](#)



Last Observed Sample: 08/23/2009 05:48 (EDT)

Water Temperature: 64.4° F Air Temperature: 72.3° F

**Bar Harbor, ME** - [Return to List](#)



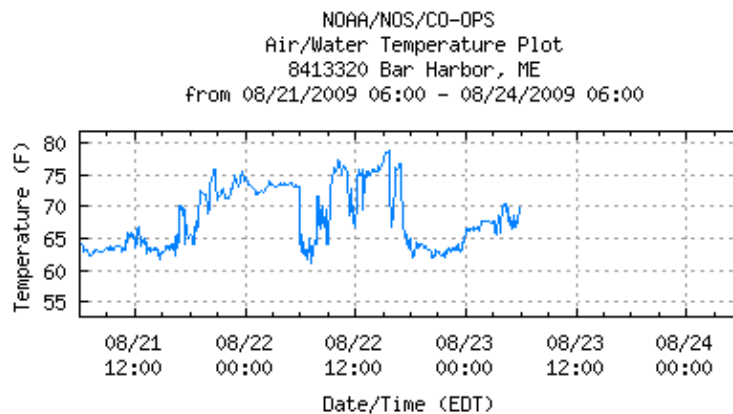
Predicted WL ——— (Obs-Pred) ———  
Observed WL ——— MHHW ———

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 1.63 ft. Predicted: 1.01 ft. Residual: 0.62 ft.**

Historical Maximum Water Level: 02/07/1978, 4.84 ft. above **MHHW**

**Bar Harbor, ME** - [Return to List](#)

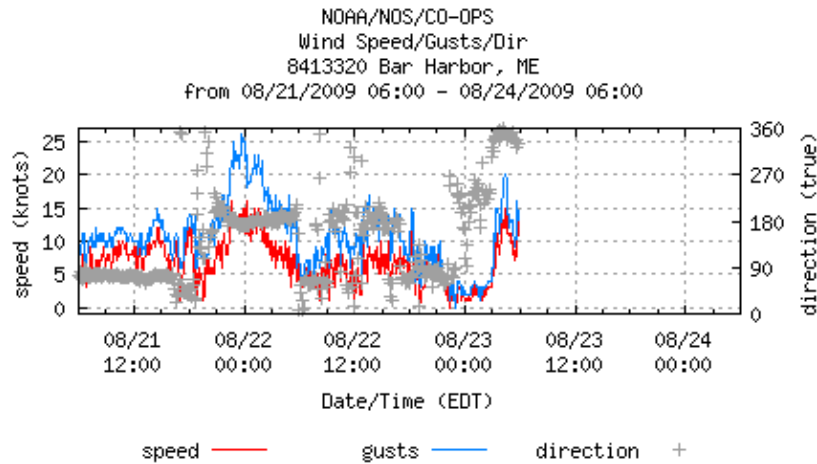


water temp. ——— air temp ———

Last Observed Sample: 08/23/2009 05:48 (EDT)

**Water Temperature: n/a Air Temperature: 69.7° F**

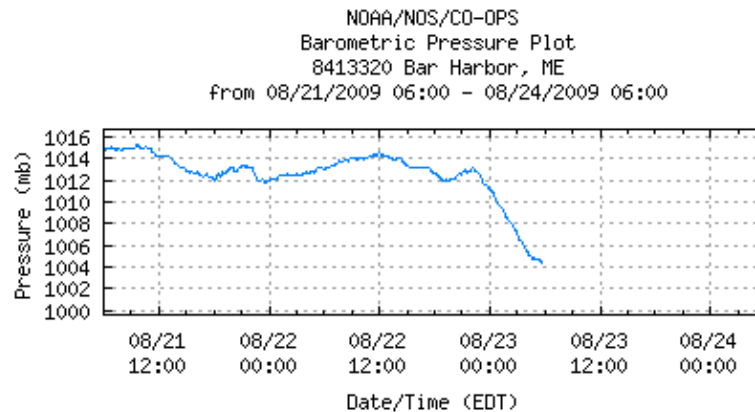
**Bar Harbor, ME** - [Return to List](#)



Last Observed Sample: 08/23/2009 05:48 (EDT)

Wind Speed: 13 knots Gusts: 13 knots Direction: 329° T

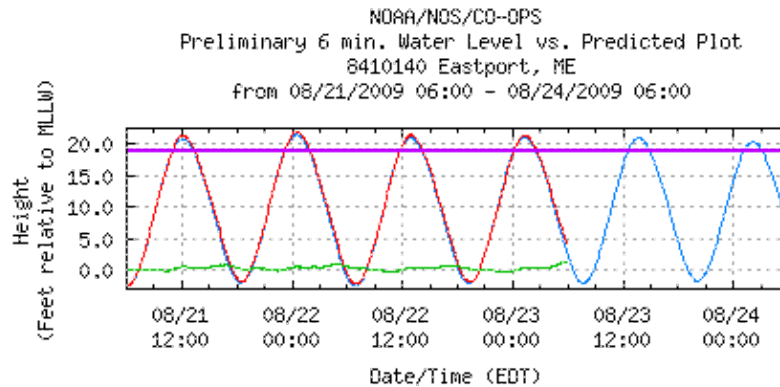
**Bar Harbor, ME** - [Return to List](#)



Last Observed Sample: 08/23/2009 05:42 (EDT)

Barometric Pressure: 1004.4 mb

**Eastport, ME** - [Return to List](#)



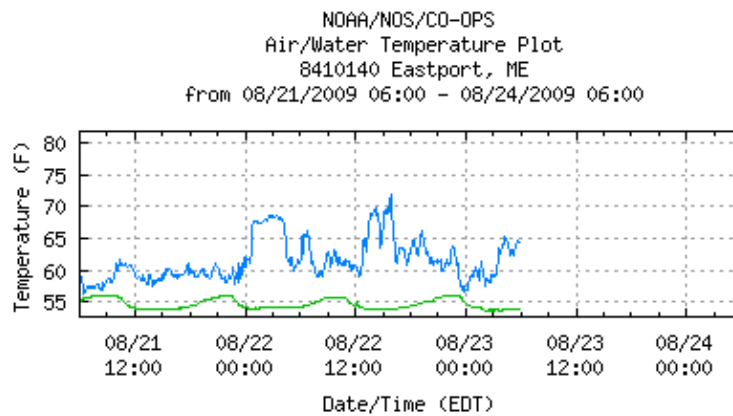
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 4.42 ft. Predicted: 3.20 ft. Residual: 1.22 ft.**

Historical Maximum Water Level: 01/10/1997, 4.95 ft. above **MHHW**

**Eastport, ME** - [Return to List](#)

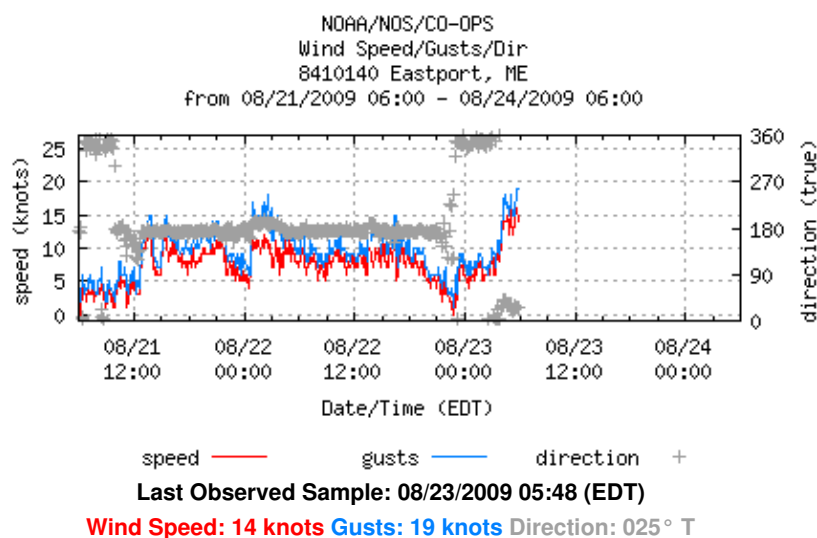


water temp. — air temp. —

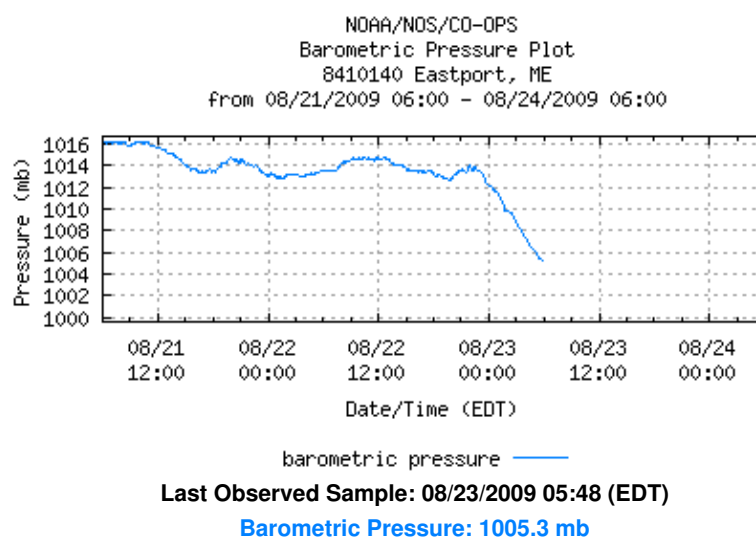
Last Observed Sample: 08/23/2009 05:48 (EDT)

**Water Temperature: 53.9° F Air Temperature: 64.3° F**

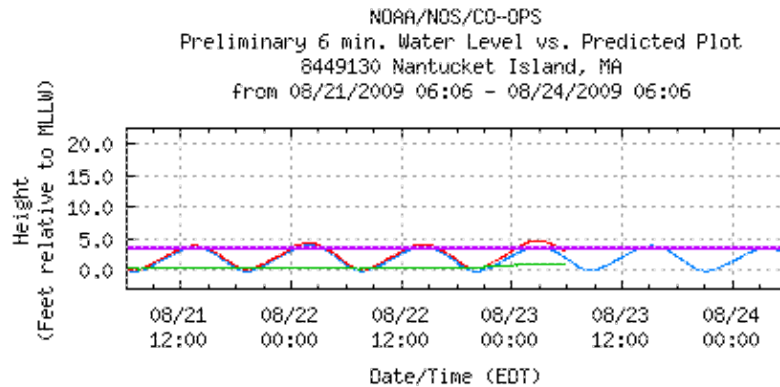
**Eastport, ME** - [Return to List](#)



**Eastport, ME** - [Return to List](#)



**Nantucket Island, MA** - [Return to List](#)



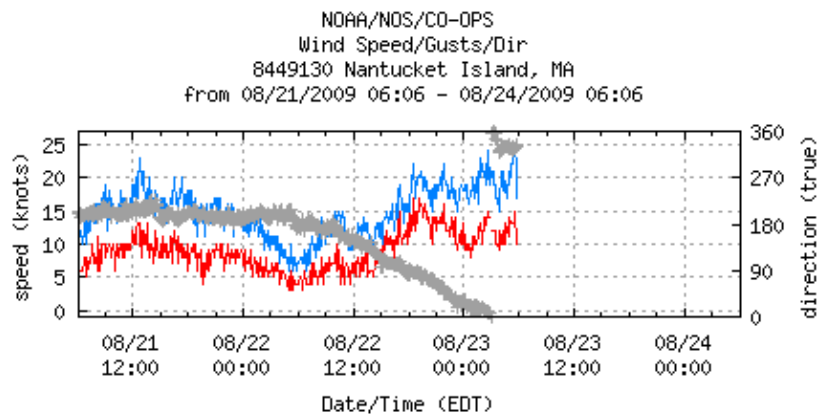
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 2.98 ft. Predicted: 1.94 ft. Residual: 1.04 ft.**

Historical Maximum Water Level: 10/30/1991, 4.29 ft. above **MHHW**

**Nantucket Island, MA** - [Return to List](#)

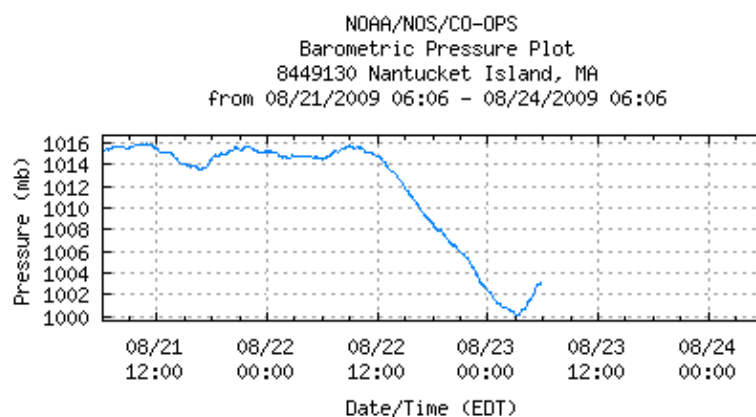


speed — gusts — direction +

Last Observed Sample: 08/23/2009 05:48 (EDT)

**Wind Speed: 11 knots Gusts: 17 knots Direction: 333° T**

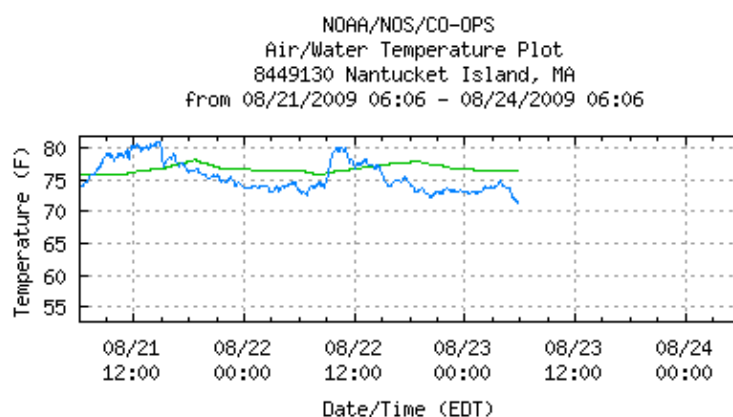
**Nantucket Island, MA** - [Return to List](#)



**Last Observed Sample: 08/23/2009 05:48 (EDT)**

**Barometric Pressure: 1003.1 mb**

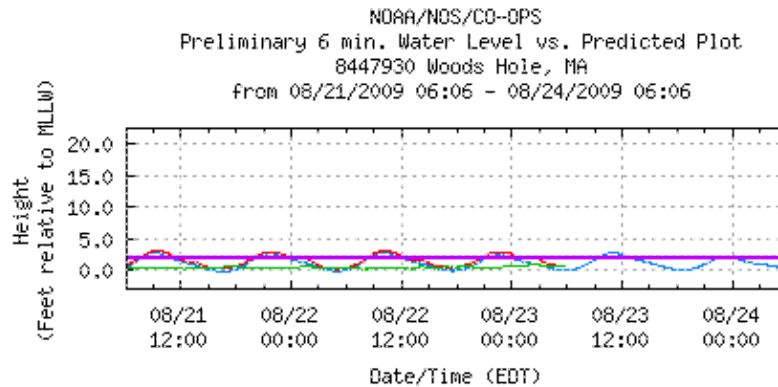
**Nantucket Island, MA** - [Return to List](#)



**Last Observed Sample: 08/23/2009 05:48 (EDT)**

**Water Temperature: 76.3° F Air Temperature: 71.6° F**

**Woods Hole, MA** - [Return to List](#)



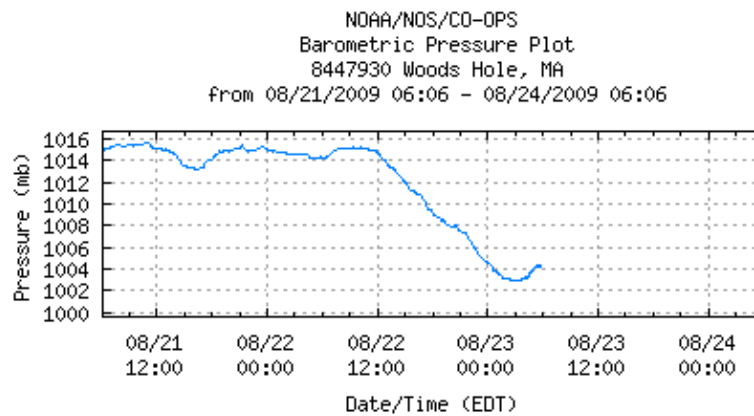
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 0.61 ft. Predicted: 0.01 ft. Residual: 0.60 ft.**

Historical Maximum Water Level: 09/21/1938, 8.58 ft. above **MHHW**

**Woods Hole, MA** - [Return to List](#)

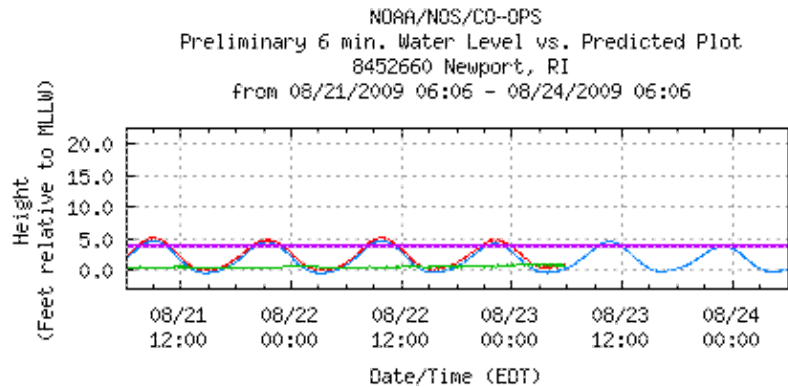


barometric pressure —

Last Observed Sample: 08/23/2009 05:48 (EDT)

**Barometric Pressure: 1004.3 mb**

**Newport, RI** - [Return to List](#)



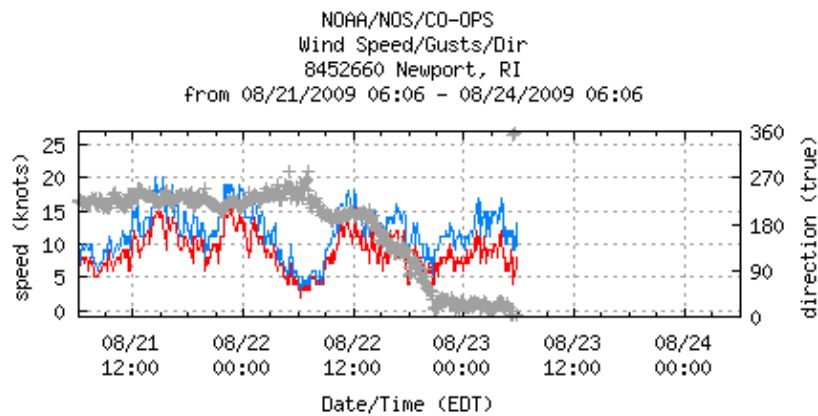
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: **Observed: 0.91 ft. Predicted: 0.20 ft. Residual: 0.71 ft.**

Historical Maximum Water Level: 09/21/1938, 9.46 ft. above **MHHW**

**Newport, RI** - [Return to List](#)

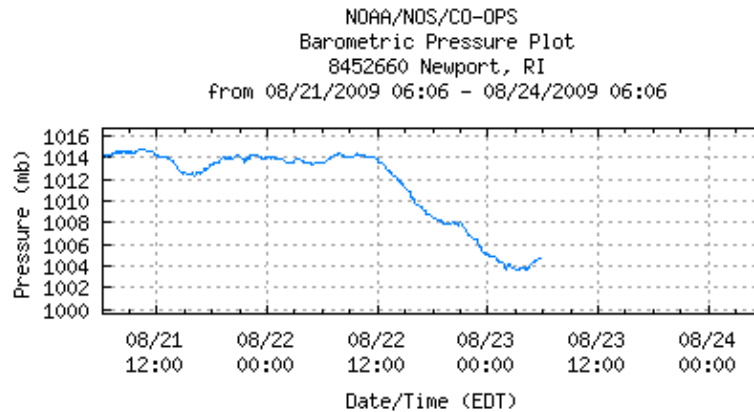


speed — gusts — direction +

Last Observed Sample: 08/23/2009 05:48 (EDT)

**Wind Speed: 8 knots Gusts: 13 knots Direction: 003° T**

**Newport, RI** - [Return to List](#)

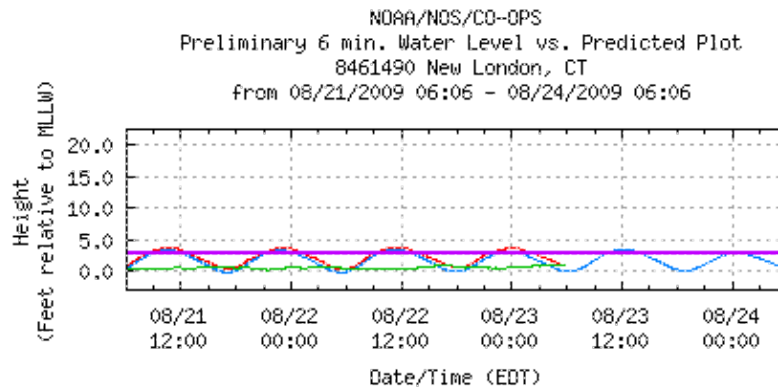


barometric pressure —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Barometric Pressure: 1004.7 mb

**New London, CT** - [Return to List](#)



Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/23/2009 05:48 (EDT)

Relative to **MLLW**: Observed: 0.88 ft. Predicted: -0.04 ft. Residual: 0.92 ft.

Historical Maximum Water Level: 09/21/1938, 7.53 ft. above **MHHW**

## Hurricane BILL QuickLook, POSTED 06:00 AST 08/23/2009

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce